

Patent Claims

1. A method for objective verification of auditory steady-state responses (ASSR) in the time domain whereby the individual epochs are transformed into the frequency domain.
2. A method according to claim 1, whereby the response is made free from noise of the asynchronous EEG in the frequency domain.
3. A method according to claim 2, whereby the amplitudes of the spectral lines, which contain only noise, are set to zero.
4. A method according to claim 1, whereby the spectral lines of the harmonics remain uninfluenced.
5. A method according to claims 1 through 4, wherein all spectral lines, which contain only noise, are eliminated whereby the spectrum consists now primarily only of the harmonics of the response.
6. A method according to claim 1, wherein all spectral lines, which contain only noise, are eliminated and whereby the spectrum consists primarily of the harmonics of the response only.
7. A method according to claim 6, whereby the spectrum altered in the above manner is transformed back into the time domain.

8. A method according to claim 1 through 7, whereby the time function of the response obtained in the time domain after transformation is used in a statistical test working in the time domain.